

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
Docket No.: 05-720-US1

In re Application of:	) Examiner: RAO, SHRINIVAS H.
Kouvetakis <i>et al.</i>	)
	)
Application No. 10/559,979	) Art Unit: 2814
	)
Filed: December 8, 2005	) Confirmation No.: 6573
	)
For:	)
Si <sub>x</sub> Sn <sub>y</sub> Ge <sub>1-x-y</sub> and Related Alloy Heterostructures	)
Based on Si, Ge, and Sn	)
	)

MAIL STOP: AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO THE FINAL OFFICE ACTION MAILED MARCH 6, 2007**

Dear Sir:

Responsive to the Final Office Action mailed March 6, 2007, the Applicants respectfully requests the Examiner to reconsider the above-identified patent application in view of the following amendments and remarks.

AMENDMENTS TO THE CLAIMS begin on Page 2.

REMARKS begin on Page 5.